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ning of each regular issue of the PCT Gazette.

(54) Title: USE OF DIALKYL CARBONATES AS SOLVENTS FOR EXPANDED POLYSTYRENE

(57) Abstract: The invention relates to the use of dialkyl carbonates as solvents for expanded polystyrene and to a new process for the recycling of expanded polystyrene. Said process comprises the volume reduction of expanded polystyrene by dissolution with a dialkyl carbonate, or a blend of dialkyl carbonates, the removal of the insoluble components by filtration, the selective precipitation of polystyrene with a non-solvent or a blend of non-solvents, the separation, drying and extrusion of the precipitated polystyrene. This process allows the recovery of pure polystyrene without altering its properties.

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